

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Southwest				
MONROE COUNTY --- VALMEYER [38.30, -90.32], 1.5 WNW WARNOCK [38.41, -90.29], 2.7 NE NEW HANOVER [38.41, -90.19], 0.9 SSE FOSTER POND [38.31, -90.21]				
	04/22/11 07:15 CST	0		Flash Flood (due to Heavy Rain)
	04/22/11 11:30 CST	0		Source: Law Enforcement
Between 2 and 4 inches of rain fell in a short amount of time causing flash flooding. Several roads were flooded including the intersection of Bluff Road and Hanover Road.				
PIKE COUNTY --- PERRY [39.78, -90.75]				
	04/22/11 07:50 CST	0		Hail (0.88 in)
	04/22/11 07:50 CST	0		Source: Trained Spotter
ADAMS COUNTY --- 0.7 SE BEVERLY [39.79, -90.99]				
	04/22/11 07:57 CST	0		Hail (1.00 in)
	04/22/11 07:57 CST	0		Source: Trained Spotter
MADISON COUNTY --- GRANITE CITY [38.72, -90.13], 0.2 SE FOUR CORNERS [38.72, -90.08]				
	04/22/11 10:08 CST	0		Hail (1.00 in)
	04/22/11 10:10 CST	0		Source: Trained Spotter
MADISON COUNTY --- 1.8 ESE POAG [38.79, -90.00]				
	04/22/11 10:15 CST	0		Hail (1.50 in)
	04/22/11 10:15 CST	0		Source: Trained Spotter
MONTGOMERY COUNTY --- LITCHFIELD [39.18, -89.65]				
	04/22/11 10:20 CST	0		Hail (1.00 in)
	04/22/11 10:20 CST	0		Source: Trained Spotter
FAYETTE COUNTY --- FARINA [38.83, -88.77]				
	04/22/11 11:48 CST	0		Hail (0.75 in)
	04/22/11 11:48 CST	0		Source: Trained Spotter
MARION COUNTY --- CENTRALIA [38.53, -89.13]				
	04/22/11 11:50 CST	0		Hail (0.75 in)
	04/22/11 11:50 CST	0		Source: Trained Spotter
Elevated convection fired up over the region on nose of strong low level jet. Numerous reports of large hail and isolated flash flooding were reported with these storms.				
MACOUPIN COUNTY --- 0.3 ESE SHIPMAN [39.12, -90.04]				
	04/22/11 18:36 CST	0		Hail (0.88 in)
	04/22/11 18:36 CST	0		Source: Amateur Radio
MADISON COUNTY --- 3.5 WNW GRANITE CITY [38.75, -90.19], 1.1 NW FOUR CORNERS [38.73, -90.09]				
	04/22/11 19:24 CST	0		Tornado (EF2, L: 5.10 mi , W: 150 yd)
	04/22/11 19:31 CST	0		Source: NWS Storm Survey

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During the evening of Friday April 22nd, an intense supercell thunderstorm produced a long-track tornado which tore a path of destruction from west to east across the St. Louis Metropolitan Area, from St. Louis County Missouri eastward across the Mississippi River into Madison County Illinois. The tornado reached a maximum intensity of EF4 on the Enhanced Fujita Scale as it tracked through the community of Bridgeton, just west of Lambert St. Louis International Airport, in St. Louis County. The total path length was 21.3 miles, with a width of up to half a mile.

The tornado crossed the Mississippi River from St. Louis County Missouri into Madison County Illinois about 1.5 miles south of the Chain of Rocks Bridge. The tornado continued east to half a mile north of the intersection of Illinois Route 203 and Pontoon Road. Damage east of this intersection included uprooted and snapped trees and three homes had roofs removed. At least one hundred homes were damaged in the area. The maximum damage found was in a neighborhood along Bern and Dawn Avenues. The tornadic damage then curved southeast and ended near the intersection of Alton Street and Pontoon Road. Damage width over this area varied from 50 to 150 yards with a path length of 5.1 miles. The damage east of Illinois Route 203 was rated low-end EF2. The highest wind speeds associated with the EF2 damage were approximately 120 mph.

MONROE COUNTY --- COLUMBIA [38.45, -90.20]

04/22/11 19:41 CST		0		Hail (0.75 in)
04/22/11 19:41 CST		0		Source: Trained Spotter

MONROE COUNTY --- 1.4 N WATERLOO [38.35, -90.15], 3.3 ENE WATERLOO [38.34, -90.09]

04/22/11 19:50 CST		0		Tornado (EF2, L: 3.52 mi , W: 90 yd)
04/22/11 19:55 CST		1	0	Source: NWS Storm Survey

A tornado touched down on the north side of Waterloo, Illinois near the intersection of Leah Drive and James Street. Several homes and businesses sustained varying degrees of damage; from displaced roofing materials to businesses with structural damage. Two large air conditioners were tossed 30 yards from the roof of a business. Several large trees were snapped near the base of the trunk. Four power poles were snapped south of the intersection of North Market Street and Kolmer Avenue. One large garage was also destroyed behind a church with debris tossed southeastward 30 to 40 yards. The tornado skipped eastward and crossed Floraville Road on the north side of Ridge Club Golf Course then traveled down the first fairway. A number of cedar and pine trees were snapped. The tornado then crossed Ridge Road where several homes sustained minor roof damage, with 30 to 40 percent of the shingles removed. The tornado then traveled across the northern part of Konarcik Park. Numerous old growth pine trees were snapped at the base of the trunk. Trees three feet in diameter were common in this area. The tornado caused damage to the siding of one home near the intersection of Konarcik and Kopp Roads before lifting. There was one minor injury at Canterbury Manor Nursing Center due to flying glass when a window broke. The maximum intensity was low end EF2, with a maximum estimated wind speed of 115 mph. The maximum width of the tornado was 80 to 90 yards with a total path length of 3.5 miles.

MADISON COUNTY --- 3.0 NW ST MORGAN [38.70, -89.71], 0.6 NNE SEBASTOPOL [38.73, -89.60]

04/22/11 19:55 CST		0		Tornado (EF2, L: 6.54 mi , W: 700 yd)
04/22/11 20:10 CST		0		Source: NWS Storm Survey

The tornado first touched down 3 miles southwest of Highland in Madison County, just to the east of Bluemound Road around 855 pm. It quickly moved east snapping and uprooting trees. Just before reaching Illinois Route 160, it destroyed a large metal farm building and carried the metal panels about a mile downwind. On Old Trenton Road, it snapped three wooden power poles and snapped trees and caused minor damage to a barn roof on a farmstead. As it continued to move east it widened to 700 yards as it passed south of Highland. It caused significant damage to trees, power poles and farm outbuildings in addition to minor roof damage. Near the intersection of St. Rose Road and Iberg Road, extensive tree damage occurred with one tree falling on a home and a second falling on a prefabricated carport. The tornado continued to move east causing varying degrees of damage to five homes in a subdivision just north of St. Rose Road. The tornado then moved across Waage Road blowing out multiple windows of a farm house and destroying a large metal shed. The tornado then crossed Baumann Road into Clinton County. The maximum intensity for this segment was rated EF2 and was on the ground for 6.5 miles before crossing into Clinton County. The maximum width of damage was 700 yards. As for the entire tornado, it was rated EF2, with maximum wind speeds of 130 mph. The maximum width of the tornado was 700 yards and the total length of the tornado was 18.2 miles.

ST. CLAIR COUNTY --- 1.1 SW PADERBORN [38.36, -90.05], 1.0 ESE PADERBORN [38.36, -90.01]

04/22/11 20:02 CST		0		Tornado (EF1, L: 1.75 mi , W: 80 yd)
04/22/11 20:06 CST		0		Source: NWS Storm Survey

A tornado touched down half a mile northeast of Paderborn in southwestern St. Clair County and moved east southeastward towards the Sportsman Lake Subdivision. Two power poles were snapped on Knab Road while six homes at the lake sustained minor roof damage in which 30 to 40 percent of the shingles were removed. A number of medium to large trees were uprooted or snapped along the damage track in this subdivision. The tornado lifted and dissipated on the far south side of the subdivision near Live Oak Drive. The maximum intensity was EF1, with a maximum estimated wind speed of 100 mph. The maximum width of the tornado was 60 to 80 yards and the total path length was 1.75 miles.

ST. CLAIR COUNTY --- 1.0 SW SMITHTON [38.41, -89.99]

04/22/11 20:05 CST		0		Hail (0.88 in)
04/22/11 20:05 CST		0		Source: Trained Spotter

CLINTON COUNTY --- 4.2 NW ST ROSE [38.73, -89.60], 1.5 WNW JAMESTOWN [38.74, -89.54]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/22/11 20:10 CST		0	Tornado (EF2, L: 3.05 mi , W: 500 yd)
	04/22/11 20:16 CST		0	Source: NWS Storm Survey

The tornado crossed from Madison County into Clinton County along Baumann Road. It continued to produce damage to farm outbuildings and minor roof damage to homes. On Keyesport Road, the tornado reached its maximum intensity between Baumann Road and Watertower Road. A farm house was destroyed when it lost its entire roof structure and the front wall partially collapsed. The rest of the farm had six buildings that were either destroyed or severely damaged. A hog farm also suffered extensive damage farther to the east on Keyesport Road. The tornado then turned east northeast and crossed into Bond County. The maximum intensity for this segment was rated EF2 and was on the ground for 3.1 miles before crossing into Bond County. The maximum width of damage was 500 yards. As for the entire tornado, it was rated EF2, with maximum wind speeds of 130 mph. The maximum width of the tornado was 700 yards and the total length of the tornado was 18.2 miles.

ST. CLAIR COUNTY --- 2.0 WNW FAYETTEVILLE [38.39, -89.83], 1.0 N FAYETTEVILLE [38.39, -89.80]

04/22/11 20:15 CST	0	Thunderstorm Wind (EG 56 kt)
04/22/11 20:20 CST	0	Source: Newspaper

Thunderstorm winds caused considerable tree damage along Drum Hill Road north of Fayetteville. A large pine tree was snapped at the base and fell onto an unoccupied car destroying it. Several other trees were blown over. Also, a farm house had several windows blown out and the door to the sunroom torn off.

BOND COUNTY --- 2.3 SSW BADEN BADEN [38.74, -89.54], 1.8 NNW BEAVER CREEK [38.79, -89.40]

04/22/11 20:16 CST	0	Tornado (EF1, L: 8.60 mi , W: 500 yd)
04/22/11 20:30 CST	0	Source: NWS Storm Survey

The tornado crossed from Clinton County into Bond County where it continued to snap and uproot trees, severely damage outbuildings and cause minor roof damage to homes before it finally dissipated around 930 pm about 7 miles south of Greenville. The maximum intensity for this segment was rated EF1 and was on the ground for 8.6 miles before lifting and dissipating. The maximum width of damage was 500 yards. As for the entire tornado, it was rated EF2, with maximum wind speeds of 130 mph. The maximum width of the tornado was 700 yards and the total length of the tornado was 18.2 miles.

MONROE COUNTY --- 3.6 SE COLUMBIA [38.42, -90.15], 1.0 E MERRIMAC [38.37, -90.31], 2.1 ESE HARRISONVILLE [38.26, -90.32], 3.6 W HECKER [38.30, -90.07]

04/22/11 20:20 CST	0	Flash Flood (due to Heavy Rain)
04/23/11 00:30 CST	0	Source: Law Enforcement

Up to three inches of rain fell in a short amount of time causing flash flooding. Several roads had water over them including Bluff Road near intersection with Trout Road. Several streets in Waterloo had 5 inches of water over them.

ST. CLAIR COUNTY --- MASCOUTAH [38.50, -89.80], 2.2 E ROACHTOWN [38.48, -89.99], 1.3 S DOUGLAS [38.40, -89.97], 1.1 ESE FAYETTEVILLE [38.38, -89.78]

04/22/11 20:45 CST	0	Flash Flood (due to Heavy Rain)
04/23/11 00:30 CST	0	Source: Amateur Radio

Up to three inches of rain fell in a short amount of time causing flash flooding. Several roads had water over them including Illinois Route 4 south of Mascoutah and up to 10 inches deep on the northside of Freeburg on Deerfield Court.

A strong cold front moved through region. With plenty of moisture, instability and decent low level shear, severe storms developed along the Interstate 70 corridor in Missouri and Illinois. Numerous reports of large hail and 5 tornadoes occurred with this event. One of the tornadoes was a long track one that moved through the St. Louis metropolitan area with it being rated an EF4, with only a few minor injuries and no deaths. Also, quite a bit of rain fell during this event and caused flash flooding. The flash flooding persisted for several days as additional rounds of heavy rain fell over the same region through the 26th of April.

MADISON COUNTY --- GLEN CARBON [38.75, -89.98]

04/23/11 16:10 CST	0	Hail (0.88 in)
04/23/11 16:10 CST	0	Source: Trained Spotter

MARION COUNTY --- 8.0 E CENTRALIA [38.53, -88.98]

04/23/11 22:27 CST	0	Hail (0.88 in)
04/23/11 22:27 CST	0	Source: COOP Observer

A stationary front remained anchored over northern Arkansas to the Ohio Valley for several days. There were some isolated large hail reports as well as several rounds of very heavy rainfall which caused flash flooding through the 26th of April.

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MONITEAU COUNTY --- 5.0 SE CALIFORNIA [38.58, -92.50]				
	04/22/11 07:59 CST	0		Hail (0.75 in)
	04/22/11 07:59 CST	0		Source: Trained Spotter
COLE COUNTY --- 0.5 E CENTERTOWN [38.62, -92.41]				
	04/22/11 08:01 CST	0		Hail (1.75 in)
	04/22/11 08:08 CST	0		Source: Public
CALLAWAY COUNTY --- WILLIAMSBURG [38.92, -91.70]				
	04/22/11 08:24 CST	0		Hail (1.00 in)
	04/22/11 08:24 CST	0		Source: Trained Spotter
CALLAWAY COUNTY --- 0.6 E NEW BLOOMFIELD [38.72, -92.09]				
	04/22/11 08:25 CST	0		Hail (1.00 in)
	04/22/11 08:25 CST	0		Source: Trained Spotter
COLE COUNTY --- JEFFERSON CITY [38.58, -92.18]				
	04/22/11 08:25 CST	0		Hail (1.00 in)
	04/22/11 08:25 CST	0		Source: Trained Spotter
OSAGE COUNTY --- 1.4 SW FREEDOM [38.46, -91.70]				
	04/22/11 08:55 CST	0		Hail (1.25 in)
	04/22/11 08:55 CST	0		Source: Trained Spotter
GASCONADE COUNTY --- 0.9 ESE PERSHING [38.58, -91.61]				
	04/22/11 09:05 CST	0		Hail (1.00 in)
	04/22/11 09:05 CST	0		Source: Trained Spotter
GASCONADE COUNTY --- OWENSVILLE [38.35, -91.50]				
	04/22/11 09:10 CST	0		Hail (1.00 in)
	04/22/11 09:15 CST	0		Source: Trained Spotter
GASCONADE COUNTY --- 1.0 ENE ROSEBUD [38.39, -91.38]				
	04/22/11 09:20 CST	0		Hail (1.00 in)
	04/22/11 09:20 CST	0		Source: COOP Observer
FRANKLIN COUNTY --- NEW HAVEN [38.60, -91.22]				
	04/22/11 09:30 CST	0		Hail (1.00 in)
	04/22/11 09:30 CST	0		Source: Trained Spotter
ST. LOUIS COUNTY --- 0.7 S CHESTERFIELD [38.66, -90.57]				
	04/22/11 09:30 CST	0		Hail (0.75 in)
	04/22/11 09:30 CST	0		Source: Trained Spotter
FRANKLIN COUNTY --- 0.6 SSE KRAKOW [38.49, -91.04]				
	04/22/11 09:35 CST	0		Hail (1.00 in)
	04/22/11 09:35 CST	0		Source: Amateur Radio
ST. LOUIS COUNTY --- 0.6 NW BRIDGETON TERRACE [38.76, -90.46]				
	04/22/11 09:43 CST	0		Hail (0.88 in)
	04/22/11 09:43 CST	0		Source: Trained Spotter
ST. LOUIS COUNTY --- CREVE COEUR [38.67, -90.42], 0.9 ENE CREVE COEUR [38.67, -90.40]				
	04/22/11 09:45 CST	0		Hail (1.00 in)
	04/22/11 09:45 CST	0		Source: Trained Spotter

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ST. LOUIS COUNTY --- FLORISSANT [38.78, -90.33]				
	04/22/11 09:50 CST	0		Hail (0.75 in)
	04/22/11 09:50 CST	0		Source: Trained Spotter
FRANKLIN COUNTY --- 0.5 WNW ANACONDA [38.30, -91.04]				
	04/22/11 10:01 CST	0		Hail (1.75 in)
	04/22/11 10:01 CST	0		Source: Amateur Radio
FRANKLIN COUNTY --- 0.6 SSE CATAWISSA [38.42, -90.78]				
	04/22/11 10:05 CST	0		Hail (1.00 in)
	04/22/11 10:05 CST	0		Source: Trained Spotter
FRANKLIN COUNTY --- 1.6 NE ST CLAIR MEM ARPT [38.39, -90.95]				
	04/22/11 10:05 CST	0		Hail (1.00 in)
	04/22/11 10:05 CST	0		Source: Trained Spotter
ST. LOUIS COUNTY --- 0.7 WSW FENTON [38.52, -90.44]				
	04/22/11 10:30 CST	0		Hail (1.25 in)
	04/22/11 10:30 CST	0		Source: Trained Spotter
ST. LOUIS COUNTY --- 1.2 S LAKESHIRE [38.51, -90.37]				
	04/22/11 10:30 CST	0		Hail (1.00 in)
	04/22/11 10:32 CST	0		Source: Trained Spotter
JEFFERSON COUNTY --- ARNOLD [38.43, -90.37]				
	04/22/11 10:36 CST	0		Hail (0.75 in)
	04/22/11 10:36 CST	0		Source: Trained Spotter
ST. LOUIS (C) COUNTY --- 1.2 NNE CARONDELET [38.56, -90.27]				
	04/22/11 10:37 CST	0		Hail (0.88 in)
	04/22/11 10:37 CST	0		Source: Trained Spotter
Elevated convection fired up over the region on nose of strong low level jet. Numerous reports of large hail and isolated flash flooding were reported with these storms.				
MONITEAU COUNTY --- 4.3 NW KLIEVER [38.75, -92.55]				
	04/22/11 16:00 CST	0		Hail (2.50 in)
	04/22/11 16:04 CST	0		Source: Trained Spotter
COLE COUNTY --- 0.8 NNE MARION [38.69, -92.37]				
	04/22/11 16:10 CST	0		Hail (1.75 in)
	04/22/11 16:10 CST	0		Source: Law Enforcement
BOONE COUNTY --- 1.5 WNW ASHLAND [38.77, -92.30], 1.0 ENE ASHLAND [38.77, -92.25]				
	04/22/11 16:23 CST	0		Hail (1.75 in)
	04/22/11 16:30 CST	0		Source: Law Enforcement
Lots of hail up to golfball size was reported in the Ashland area.				
BOONE COUNTY --- 2.6 ENE HARTSBURG [38.72, -92.28]				
	04/22/11 16:30 CST	0		Hail (2.00 in)
	04/22/11 16:30 CST	0		Source: Trained Spotter
CALLAWAY COUNTY --- 1.3 WNW GUTHRIE [38.76, -92.12]				
	04/22/11 16:34 CST	0		Hail (0.88 in)
	04/22/11 16:34 CST	0		Source: Trained Spotter

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CALLAWAY COUNTY --- 1.3 ESE FULTON ARPT [38.82, -91.98], 2.2 SSW FULTON [38.82, -91.95]				
	04/22/11 16:42 CST	0		Hail (1.00 in)
	04/22/11 16:50 CST	0		Source: Trained Spotter
CALLAWAY COUNTY --- 0.8 W DIXIE [38.72, -92.03]				
	04/22/11 16:47 CST	0		Hail (1.50 in)
	04/22/11 16:47 CST	0		Source: Trained Spotter
CALLAWAY COUNTY --- 0.6 SSE PORTLAND [38.71, -91.72]				
	04/22/11 17:14 CST	0		Hail (1.00 in)
	04/22/11 17:14 CST	0		Source: Broadcast Media
MONTGOMERY COUNTY --- 4.7 W AMERICUS [38.77, -91.64], 1.0 NW AMERICUS [38.79, -91.56]				
	04/22/11 17:18 CST	0		Hail (2.50 in)
	04/22/11 17:20 CST	0		Source: Trained Spotter
A swath of large hail fell over southern Montgomery County, from the Callaway/Montgomery County line eastward towards Americus.				
MONTGOMERY COUNTY --- BIG SPG [38.80, -91.48], 1.1 N MC KITTRICK [38.75, -91.45]				
	04/22/11 17:25 CST	0		Hail (4.00 in)
	04/22/11 17:30 CST	0		Source: Trained Spotter
Numerous reports of large hail ranging from baseball to grapefruit size in an area between Big Spring and Hermann Country Club, just north of McKittrick.				
OSAGE COUNTY --- 10.0 S LINN [38.34, -91.85], 10.0 SE LINN [38.38, -91.72]				
	04/22/11 17:30 CST	0		Hail (1.75 in)
	04/22/11 17:35 CST	0		Source: Amateur Radio
OSAGE COUNTY --- LINN [38.48, -91.85], 1.4 NW JUDGE [38.43, -91.80]				
	04/22/11 17:30 CST	0		Hail (1.75 in)
	04/22/11 17:33 CST	0		Source: Trained Spotter
MONTGOMERY COUNTY --- 0.8 ENE JONESBURG [38.85, -91.31]				
	04/22/11 17:44 CST	0		Hail (1.75 in)
	04/22/11 17:49 CST	0		Source: Trained Spotter
WARREN COUNTY --- 3.5 SE PENDLETON [38.78, -91.19], 0.8 SW WARRENTON [38.81, -91.14]				
	04/22/11 17:44 CST	0		Hail (4.50 in)
	04/22/11 17:55 CST	0		Source: Amateur Radio
A swath of large hail fell over the Warrenton area. The biggest hail stones were softball size.				
WARREN COUNTY --- 9.0 W WARRENTON [38.82, -91.30]				
	04/22/11 17:44 CST	0		Hail (1.00 in)
	04/22/11 17:44 CST	0		Source: Trained Spotter
WARREN COUNTY --- WRIGHT CITY [38.83, -91.02]				
	04/22/11 17:55 CST	0		Hail (1.75 in)
	04/22/11 18:05 CST	0		Source: Trained Spotter
ST. CHARLES COUNTY --- FLINT HILL [38.85, -90.87]				
	04/22/11 18:10 CST	0		Hail (0.75 in)
	04/22/11 18:10 CST	0		Source: Amateur Radio
ST. CHARLES COUNTY --- WENTZVILLE [38.82, -90.85]				
	04/22/11 18:15 CST	0		Hail (1.25 in)
	04/22/11 18:20 CST	0		Source: Trained Spotter

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ST. CHARLES COUNTY --- 3.4 WNW NEW MELLE [38.74, -90.94], 3.9 SW DARDENNE [38.73, -90.80]				
	04/22/11 18:17 CST		0	Tornado (EF1, L: 7.35 mi , W: 250 yd)
	04/22/11 18:32 CST		0	Source: NWS Storm Survey
<p>The tornado first touched down along Freese Lane around a tenth of a mile south of Foristell Road approximately three and a half miles to the northwest of New Melle. The tornado travelled to the east moving into the Auburn Meadows Subdivision where it caused damage to nine homes. The most significant damage occurred when one home lost almost half its roof after the attached garage was destroyed. Damage to this home was rated EF1. The rest of the homes suffered lesser degrees of roof damage. A van was also pushed approximately 30 yards from a driveway into an open grassy area. The tornado then continued to the east along Foristell Road causing damage to trees and several homes. At the Jimmie Hite Horse Stables, several large outbuildings were also heavily damaged. To the east of the stables, a horse arena was demolished. The tornado then continued to move east where it snapped or blew down many trees either side of Highway Z. The tornado continued to the east and moved into the Avondale Hills Subdivision causing minor roof damage to a few homes before lifting and dissipating just east of State Highway DD, north of the intersection with Schwede Road. The maximum intensity was EF1 with a maximum wind speed of 110 mph. The total path length was 7.4 miles with a maximum width 250 yards.</p>				
ST. CHARLES COUNTY --- 1.6 SE GILMORE [38.78, -90.78]				
	04/22/11 18:27 CST		0	Hail (1.75 in)
	04/22/11 18:33 CST		0	Source: Trained Spotter
ST. CHARLES COUNTY --- O FALLON [38.80, -90.70], 3.0 N O FALLON [38.84, -90.70]				
	04/22/11 18:28 CST		0	Hail (0.75 in)
	04/22/11 18:33 CST		0	Source: Amateur Radio
ST. CHARLES COUNTY --- 0.9 ENE DARDENNE [38.77, -90.73], 0.6 S O FALLON [38.79, -90.70]				
	04/22/11 18:38 CST		0	Hail (1.75 in)
	04/22/11 18:41 CST		0	Source: Amateur Radio
ST. CHARLES COUNTY --- 2.2 WSW ALL SAINTS VLG [38.76, -90.71], 1.5 E FT ZUMWALT [38.80, -90.65]				
	04/22/11 18:42 CST		0	Hail (2.00 in)
	04/22/11 18:46 CST		0	Source: Trained Spotter
<p>A wide swath of large hail was reported with the biggest stone being 2 inches in diameter.</p>				
FRANKLIN COUNTY --- UNION [38.45, -91.00]				
	04/22/11 18:44 CST		0	Hail (0.75 in)
	04/22/11 18:44 CST		0	Source: Trained Spotter
ST. CHARLES COUNTY --- 0.6 W O FALLON [38.80, -90.71]				
	04/22/11 18:45 CST		0	Thunderstorm Wind (EG 52 kt)
	04/22/11 18:45 CST		0	Source: Trained Spotter
<p>Thunderstorm winds blew down a large tree onto an unoccupied car.</p>				
FRANKLIN COUNTY --- ST CLAIR [38.35, -90.98]				
	04/22/11 18:46 CST		0	Hail (1.75 in)
	04/22/11 18:46 CST		0	Source: Amateur Radio
ST. CHARLES COUNTY --- ST PETERS [38.80, -90.62], 3.0 E ST PETERS [38.79, -90.57]				
	04/22/11 18:47 CST		0	Thunderstorm Wind (EG 70 kt)
	04/22/11 18:53 CST		0	Source: Trained Spotter
<p>Trained spotters estimated 70 to 80 mph winds when the storms moved along Interstate 70 near St. Peters.</p>				
FRANKLIN COUNTY --- 0.8 ENE VILLA RIDGE [38.47, -90.89]				
	04/22/11 18:50 CST		0	Hail (1.75 in)
	04/22/11 18:50 CST		0	Source: Trained Spotter
ST. LOUIS COUNTY --- 1.0 WNW VIGUS [38.74, -90.49], 1.9 E RIVERVIEW [38.75, -90.19]				
	04/22/11 18:59 CST		30M	Tornado (EF4, L: 16.20 mi , W: 880 yd)
	04/22/11 19:24 CST	5	0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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During the evening of Friday April 22nd, an intense supercell thunderstorm produced a long-track tornado which tore a path of destruction from west to east across the St. Louis Metropolitan Area, from St. Louis County Missouri eastward across the Mississippi River into Madison County Illinois. The tornado reached a maximum intensity of EF4 on the Enhanced Fujita Scale as it tracked through the community of Bridgeton, just west of Lambert St. Louis International Airport, in St. Louis County. The total path length was 21.3 miles, with a width of up to half a mile.

The tornado initially touched down along the northern edge of Creve Coeur Lake at approximately 759 pm. It tracked nearly due east at about 40 mph, and intensified as it entered Maryland Heights. There it produced up to EF3 damage to many homes and businesses with a damage swath of 200 to 400 yards wide. Damage continued eastward in an unbroken track, crossing I-270 about 1 mile south of I-70. The tornado reached peak intensity of EF4 as it devastated the community of Bridgeton along Old St. Charles Road. From there the tornado paralleled Interstate 70 through the community of St. Ann, and then took aim directly on Lambert-St. Louis International Airport. Many of the large windows in the main terminal building were blown out or damaged by flying debris and a large section of roof was peeled from Concourse C. Although the vast majority of people were evacuated to lower levels and to interior rooms before the tornado hit, five people were treated and released from area hospitals for injuries due to flying debris. The airport was closed due to the extensive damage. Damage at the airport was estimated to be around \$30 million.

The tornado exited Lambert-St. Louis International Airport crossing near the McDonnell Boulevard/Harmon Lane intersection. It then moved into Berkeley where it crossed Interstate 170 between Airport Road and Scudder Avenue. Extensive damage was noted along Fourth Avenue, especially at the Garfield Avenue and Hancock Avenue intersections where a vacant house and several homes lost their entire roof structure. The greatest damage in this neighborhood was rated EF2. The tornado continued to the northeast through neighborhoods south of Airport Road producing significant tree damage including many large trees falling on homes. The tornado then crossed Airport Road near Abston Street. The tornado crossed North Florissant Road where it caused extensive roof damage to the Newger Materials building and the First Baptist Church of Ferguson. Across the road, a Little Caesars Restaurant lost its entire roof. Damage to these structures was rated EF1. The tornado then continued through neighborhoods along and just the north of Hereford Avenue/Chambers Road where it continued to cause extensive tree damage as well as additional partial roof damage to homes along the path toward West Florissant Road. Also along this part of its path, it partially removed the roof at the Griffith Elementary School which was rated as EF1. This is also where the tornado widened to one quarter of a mile with damage noted to trees and some homes on both sides of Chambers Road. Along the entire path from Berkeley to Dellwood, damage varied in intensity from EF1 to low end EF2 with a maximum estimated wind speed of 120 mph, and included numerous snapped power poles in addition to the extensive number of snapped and downed trees.

EF2 damage was uncovered at three different locations east of Dellwood. One area was located one quarter mile south of Chambers Road on Halls Ferry Road where four large utility poles were snapped. The second area of EF2 damage was located a quarter of a mile south of Chambers Road along Bellefontaine Road where significant tree damage occurred. The last area of damage was located in Bellefontaine Neighbors just south of Chambers Road on La Roux Court. Roofs were removed from three homes at this location, while other homes sustained varying degrees of damage. The width of the damage area varies from 100 yards to four tenths of a mile with the widest area of damage east of Halls Ferry and south of Chambers Road.

The tornadic damage continued as the tornado traveled eastward south of Chambers road, crossing the Mississippi River into Madison County Illinois, approximately 2 miles south of Interstate 270. The majority of the damage in this area was rated EF1 due to fallen trees. Some of these trees fell on homes while a few others fell through homes causing damage not directly relating to the intensity of the wind within the tornado.

Overall, in St. Louis County, 233 structures (homes and businesses) sustained major damage, 776 structures sustained moderate damage, and 1,487 structures sustained minor damage.

ST. LOUIS COUNTY --- 0.8 NNW SAPPINGTON [38.54, -90.41]

04/22/11 19:30 CST	0	Hail (1.00 in)
04/22/11 19:30 CST	0	Source: Trained Spotter

ST. LOUIS COUNTY --- OAKVILLE [38.47, -90.30]

04/22/11 19:30 CST	0	Hail (0.88 in)
04/22/11 19:30 CST	0	Source: Trained Spotter

FRANKLIN COUNTY --- 2.3 WNW GRAY SUMMIT [38.49, -90.86], 1.1 S LABADIE [38.51, -90.85], 3.1 ESE OETTERS [38.53, -90.75], 1.2 SW PACIFIC [38.47, -90.74]

04/22/11 19:45 CST	0	Flash Flood (due to Heavy Rain)
04/23/11 00:30 CST	0	Source: Trained Spotter

Up to three inches of rain fell in a short amount of time causing flash flooding. Several roads had water over them including Highway MM just northwest of Gray Summit.

ST. LOUIS COUNTY --- FENTON [38.52, -90.43], 1.8 S VLY PARK [38.52, -90.48], 2.3 SE MORSCHELS [38.51, -90.50], 1.1 SSE FENTON [38.50, -90.43]

04/22/11 20:10 CST	0	Flash Flood (due to Heavy Rain)
04/23/11 00:30 CST	0	Source: Trained Spotter

Up to three inches of rain fell in a short amount of time causing flash flooding. Several roads had water over them. Also, a creek rose above its banks with the water surrounding some houses in the area from two to six inches deep.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ST. FRANCOIS COUNTY --- 3.4 W SILVER SPGS [38.00, -90.59], 4.0 E HALIFAX [38.03, -90.43], 3.4 E FRENCH VLG [37.98, -90.34], 2.5 NE ST FRANCOIS [37.88, -90.47], 3.7 SE LIBERTYVILLE [37.67, -90.25], 1.9 S IRON MTN [37.67, -90.63]				
	04/22/11 23:00 CST		0	Flash Flood (due to Heavy Rain)
	04/26/11 03:50 CST		0	Source: Trained Spotter
<p>Between 6 and 9 inches fell over several days on already saturated grounds causing flash flooding. Numerous roads were flooded including U.S. Highway 67 in Farmington. Also, there was three feet of flowing water near the intersection of Veterans Drive and East College Street. Intersection of Highways OO and DD, just southwest of Libertyville was closed due to flooding. The Big River flooded well out of its banks making Turkey Creek Road impassable north of Bonne Terre. Several water rescues had to be performed.</p>				
CALLAWAY COUNTY --- NEW BLOOMFIELD [38.72, -92.10]				
	04/23/11 08:44 CST		0	Hail (0.75 in)
	04/23/11 08:44 CST		0	Source: Trained Spotter
<p>A strong cold front moved through region. With plenty of moisture, instability and decent low level shear, severe storms developed along the Interstate 70 corridor in Missouri and Illinois. Numerous reports of large hail and 5 tornadoes occurred with this event. One of the tornadoes was a long track one that moved through the St. Louis metropolitan area with it being rated an EF4, with only a few minor injuries and no deaths. Also, quite a bit of rain fell during this event and caused flash flooding. The flash flooding persisted for several days as additional rounds of heavy rain fell over the same region through the 26th of April.</p>				
IRON COUNTY --- 1.2 NNW VIBURNUM [37.73, -91.14], 3.7 NNE MIDDLE BROOK [37.72, -90.66], 1.0 NNW PILOT KNOB [37.64, -90.65], 4.9 ENE IRONTON [37.62, -90.55], 3.3 SW BRUNOT [37.28, -90.58], 4.0 W DES ARC [37.28, -90.72], 4.2 WNW ARCADIA [37.60, -90.72], 0.9 N BUICK [37.61, -91.13]				
	04/23/11 09:50 CST		0	Flash Flood (due to Heavy Rain)
	04/26/11 03:50 CST		0	Source: Department of Highways
<p>Between 6 and 9 inches of rain fell over several days causing flash flooding. Numerous roads were flooded including Route F northeast of Vulcan and Highway 49 near Annapolis.</p>				
CRAWFORD COUNTY --- CUBA [38.07, -91.40]				
	04/23/11 16:37 CST		0	Hail (1.00 in)
	04/23/11 16:38 CST		0	Source: Law Enforcement
CRAWFORD COUNTY --- 0.5 SSE LEASBURG [38.09, -91.30]				
	04/23/11 16:41 CST		0	Hail (1.50 in)
	04/23/11 16:41 CST		0	Source: Trained Spotter
CRAWFORD COUNTY --- 0.8 WNW BOURBON [38.16, -91.24]				
	04/23/11 16:45 CST		0	Hail (1.50 in)
	04/23/11 16:45 CST		0	Source: Trained Spotter
REYNOLDS COUNTY --- 1.4 WSW FLETCHER MINE [37.47, -91.12], 1.2 SE ELLINGTON ARPT [37.22, -91.08], 2.5 SW GARWOOD [37.05, -90.94], 2.0 SW HADLEY [37.06, -90.85], 3.9 NE LESTERVILLE [37.49, -90.81]				
	04/23/11 22:00 CST		0	Flash Flood (due to Heavy Rain)
	04/26/11 03:50 CST		0	Source: Department of Highways
<p>Between 6 and 9 inches of rain fell over several days in Reynolds County. Numerous roads were flooded including Route B south of Reynolds, Highway F just west of Ellington, and Route 106 in Ellington. The heavy rain caused Logan Creek in Ellington to rise above record levels and prompted portions of town to be evacuated due to flooding.</p>				
MADISON COUNTY --- 1.0 NNW ROSELLE [37.61, -90.53], 1.1 N HIGDON [37.62, -90.17], 5.0 E ALLBRIGHT [37.33, -90.14], 4.7 SW FARO [37.33, -90.54]				
	04/23/11 22:15 CST		0	Flash Flood (due to Heavy Rain)
	04/26/11 03:50 CST		0	Source: Department of Highways
<p>Between 7 and 10 inches of rain fell over several days causing flash flooding. Numerous roads were flooded including Routes C, F and V.</p>				
<p>A stationary front remained anchored over northern Arkansas to the Ohio Valley for several days. There were some isolated large hail reports as well as several rounds of very heavy rainfall which caused flash flooding through the 26th of April.</p>				